INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/018294

,		101/01	2004/010294	
	CATION OF SUBJECT MATTER ⁷ B65H45/28			
According to In	ternational Patent Classification (IPC) or to both nation	nal classification and IPC		
B. FIELDS SI	EARCHED		·	
Minimum docu Int.Cl	mentation searched (classification system followed by c B65H45/28	classification symbols)		
Jitsuyo		tent that such documents are included in th itsuyo Shinan Toroku Koho oroku Jitsuyo Shinan Koho	e fields searched 1996-2005 1994-2005	
Electronic data	base consulted during the international search (name of	data base and, where practicable, search to	erms used)	
C. DOCUME	NTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
	JP 59-143863 A (Albert-Frank) 17 August, 1984 (17.08.84), Full text; all drawings & EP 114601 A1 & US	centhal AG.),	1-17	
A	Microfilm of the specification annexed to the request of James Model Application No. 118198 No. 24054/1989) (Takamisawa Cybernetics Co., 09 February, 1989 (09.02.89) Full text; all drawings (Family: none)	panese Utility /1987(Laid-open Ltd.),	1-15,17	
Further documents are listed in the continuation of Box C. See patent family annex.				
"A" document do to be of part to be of part filing date "L" document we cited to esta special reaso "O" document re "P" document puthe priority of the actual to the actual to the priority of the actual to the actual	gories of cited documents: efining the general state of the art which is not considered icular relevance cation or patent but published on or after the international which may throw doubts on priority claim(s) or which is ablish the publication date of another citation or other on (as specified) ferring to an oral disclosure, use, exhibition or other means ablished prior to the international filing date but later than late claimed I completion of the international search course, 2005 (04.02.05)	"T" later document published after the introduce and not in conflict with the applic the principle or theory underlying the i "X" document of particular relevance; the considered novel or cannot be consistently when the document is taken alone "Y" document of particular relevance; the considered to involve an inventive combined with one or more other such being obvious to a person skilled in the "&" document member of the same patent to be provided in the considered to involve an inventive combined with one or more other such being obvious to a person skilled in the document member of the same patent to be provided in the considered to involve an inventive combined with one or more other such being obvious to a person skilled in the document member of the same patent to be provided in the considered to involve an inventive combined with one or more other such being obvious to a person skilled in the document member of the same patent to be provided in the considered to involve an inventive combined with one or more other such being obvious to a person skilled in the document member of the same patent to be provided in the considered to involve an inventive combined with one or more other such being obvious to a person skilled in the document member of the same patent to be provided in the considered to involve an inventive combined with one or more other such being obvious to a person skilled in the considered to involve an inventive combined with one or more other such being obvious to a person skilled in the considered to involve an inventive considered to involv	ation but cited to understand invention claimed invention cannot be dered to involve an inventive claimed invention cannot be step when the document is documents, such combination cart family	
	g address of the ISA/ se Patent Office	Authorized officer		
Facsimile No.		Telephone No.	_	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/018294

 $V_{i,j}$

	PCT/JP		
). DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim No.
Category*	Citation of document, with indication, where appropriate, of the relev JP 07-61704 A (Mitsubishi Heavy Industri		3-17
A	Ltd.), 07 March, 1995 (07.03.95), Par. No. [0011]; Figs. 1, 6 (Family: none)		
A	JP 2003-231236 A (Mitsubishi Heavy Indus Ltd.), 19 August, 2003 (19.08.03), Par. Nos. [0023], [0025]; all drawings (Family: none)	11,17	
А	JP 2532507 B2 (Komori Corp.), 11 September, 1996 (11.09.96), Full text; all drawings (Family: none)		16
		·	
	•	·	
ŀ			
		•	
	·		•
			•
			•
	·		
	·		